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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/655,985	09/05/2003	Guoming G. Zhu	46107-0091	46107-0091 8945	
7590 06/06/2006			EXAM	EXAMINER	
Douglas A. Mullen			NGHIEM, MICHAEL P		
Dickinson Wright PLLC Suite 800 1901 L Street, N.W. Washington, DC 20036			ART UNIT	PAPER NUMBER	
			2863		
			DATE MAILED: 06/06/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/655,985	ZHU ET AL.			
Office Action Summary	Examiner	Art Unit			
	Michael P. Nghiem	2863			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
Responsive to communication(s) filed on 22 March 2a) This action is FINAL . 2b) This 3) Since this application is in condition for alloward closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 2-9,11-14,16,17,19 and 20 is/are pend 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 2-9,11 and 12 is/are rejected. 7) Claim(s) 13,14,16,17,19 and 20 is/are objected 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11 The oath or declaration is objected to by the Examine 11 The oath or declaration is objected to by the Examine 11 The oath or declaration is objected to by the Examine 11 The oath or declaration is objected to by the Examine 11 The oath or declaration is objected to by the Examine 12 The oath or declaration is objected to by the Examine 13 The oath or declaration is objected to by the Examine 14 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or dec	vn from consideration. I to. r election requirement. r. epted or b) □ objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>5-3-06</u> .	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

DETAILED ACTION

The Amendment filed on May 22, 2006 has been acknowledged.

Withdrawal of Allowability

The indicated allowability of claims 2-9, 11, and 12 is withdrawn in view of the new grounds of rejection as follow.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 2-9, 11, and 12 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The claims do not produce any tangible results. The practical application of the claimed invention cannot be realized until the information determined is conveyed to the user. For the result to be tangible, it would need to outputted to a user or displayed to a user or stored for later use. The result of detecting an open secondary winding (claims 3, 11) are not outputted or displayed to a user or stored for later use. Hence, the claims are treated as non-statutory functional descriptive material (see MPEP 2106).

Allowable Subject Matter

Claims 13, 14, 16, 17, 19, and 20 are allowed.

Reasons For Allowance

The combination or method as claimed wherein an arrangement of a controller and a timer between two comparators (claim 13) or a powertrain control module having an input operably connected to said output of said comparator and an output operably connected to said enable input of said integrator (claim 17) is not disclosed, suggested, or made obvious by the prior art of record.

Response to Arguments

Applicant's arguments filed on May 22, 2006 have been considered but are moot in view of the new grounds of rejection.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael P Nghiem whose telephone number is (571) 272-2277. The examiner can normally be reached on M-H.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (571) 272-2269. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MICHAEL NGHIEM
PRIMARY EXAMINER

Michael Nghiem

May 31, 2006